

ABSTRACT

A method and apparatus for reconfiguring a memory array is disclosed. Aspects of the present invention include fabricating the memory array as at least one row of single-port cells up to a first metal layer. A split word line having first and second word lines is coupled to the single-port cells in each row, wherein the first word line is patterned in the first metal layer, and the second word line is patterned in a second metal layer. The split word line is further coupled to a spacer cell in the row. The method and apparatus further include programming the base memory array into custom configurations based on whether the first and second word lines are connected over the spacer cell, or whether the first and second word lines are left unconnected.